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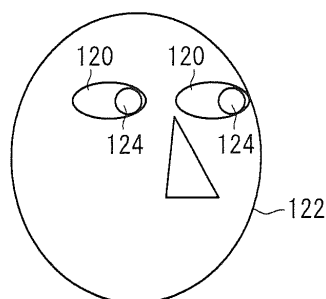
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(54) **Vehicle-mounted device identifying apparatus**

(57) If an iris (124) or a pupil (130) is detected as being positioned in a right area (E3), a vehicle-mounted device identifier (72, 74) of a vehicle-mounted device identifying apparatus (12) identifies a vehicle-mounted device group, which is disposed in an area that is on the right side of an area that is identified based on a facial direction detected by a facial direction detector (80). If the iris (124) or the pupil (130) is detected as being po-

sitioned in a left area (E2), the vehicle-mounted device identifier (72, 74) identifies a vehicle-mounted device group, which is disposed in an area that is on the left side of an area that is identified based on the facial direction. If the iris (124) or the pupil (130) is detected as being positioned in a central area (E1), the vehicle-mounted device identifier (72, 74) identifies a vehicle-mounted device group, which is disposed in an area that is identified based on the facial direction.

**FIG. 22B**



FACIAL DIRECTION: CENTRAL (A1)  
EYEBALL DIRECTION: SHIFTED TO LEFT } →VIEWING DIRECTION: OTHER (A5)



## EUROPEAN SEARCH REPORT

Application Number  
EP 12 18 3515

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 2 000 889 A2 (OMRON TATEISI ELECTRONICS CO [JP]) 10 December 2008 (2008-12-10) * Col. 7, 8, 10, 12, 13, 16; par. 111, 117 ; col. 27-29, 32, 37-40 *	1-5	INV. B60R16/02 B60W50/14 B60K35/00 B60W40/09 G06F3/01 G06K9/00
X	US 2010/238280 A1 (ISHII KOSEI [JP]) 23 September 2010 (2010-09-23) * par.10;	1	
A	figures 1-3, 6-8 *	2-5	
A	DE 103 25 123 A1 (VOLKSWAGEN AG [DE]) 23 December 2004 (2004-12-23) * paragraph [0008] - paragraph [0009] *	1-5	
A	DE 103 43 683 A1 (DAIMLER CHRYSLER AG [DE]) 21 April 2005 (2005-04-21) * Figure, group.17 *	1-5	
A	R. I. Hammoud: "Passive Eye Monitoring", 1 January 2008 (2008-01-01), Springer, XP002698040, ISBN: 978-3-540-75411-4 pages 2-7, 23-53, * p.6, p.25-27 *	1-5	
A	JP 2010 076602 A (DENSO IT LAB INC) 8 April 2010 (2010-04-08) * the whole document *	1-5	
A	JP 2007 230369 A (TOYOTA MOTOR CORP) 13 September 2007 (2007-09-13) * the whole document *	1-5	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		3 June 2013	Darolti, Cristina
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

1 EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 12 18 3515

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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03-06-2013

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 2000889	A2	10-12-2008	EP 2000889 A2	10-12-2008
			JP 5120249 B2	16-01-2013
			US 2009022368 A1	22-01-2009
			WO 2007105792 A1	20-09-2007
-----				
US 2010238280	A1	23-09-2010	JP 2010215194 A	30-09-2010
			KR 20100105293 A	29-09-2010
			US 2010238280 A1	23-09-2010
-----				
DE 10325123	A1	23-12-2004	NONE	
-----				
DE 10343683	A1	21-04-2005	DE 10343683 A1	21-04-2005
			EP 1663728 A1	07-06-2006
			JP 2007506166 A	15-03-2007
			US 2007124027 A1	31-05-2007
			WO 2005035321 A1	21-04-2005
-----				
JP 2010076602	A	08-04-2010	JP 5061074 B2	31-10-2012
			JP 2010076602 A	08-04-2010
-----				
JP 2007230369	A	13-09-2007	JP 4894300 B2	14-03-2012
			JP 2007230369 A	13-09-2007
-----				